

**ABSTRACT**

[0038] The present invention relates generally to subterranean well construction, and more particularly, to improved methods for producing gas from subterranean formations that include coal seams. The method according to the present invention includes the steps of drilling at least one substantially vertical well bore intersecting the coal seam, drilling at least one substantially horizontal well bore disposed substantially within the coal seam and exiting from the at least one substantially vertical well bore, and fracturing the coal seam along the at least one substantially horizontal well bore using a hydrajetting tool to produce a plurality of fractures. The plurality of fractures is spaced to maximize interference between the fractures and enhances the production of gas from the coal seam of the subterranean formation. A plurality of substantially horizontal well bores can also be drilled. The plurality of substantially horizontal well bores can be spaced to maximize interference between the substantially horizontal well bores.